



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

646.3310

Job Sheet 179154



Part No: 646.3310

Job Qty: 16 ea

Part Name: LH Half - Upper Cutter Assembly



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 6/14/18

Job Tracking No:

Due Date: 7/23/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV A IPP REV:A NEW ISSUE 12/11/17 JFS VERIFY BY: JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	16 Ea			0.00	0.00	Start Up Machining-1		Kt 2018-09-05
110	CNC Vertical Machining	16 pcs			0.44	21.05	HAAS1-1		Kt 2018-09-05
120	QC	16 pcs			0.00	0.00	QC2 Machining-1		Kt 2018-09-05
130	QC	16 pcs			0.00	0.00	QC8 Machining-1		JK 18-9-11
140	Outsource	16 pcs					ATG001-VC	10	OK 18-7-11
150	Packaging	16 pcs			0.00	0.00	Packaging2		DAS OCT 05 2018
155	QC	16 pcs			0.00	0.00	QC5		68 OCT 05 2018
180	Packaging	16 pcs			0.00	0.00	Packaging3-1		9-89 OCT 05 2018
190	QC21-SA	16 Ea			0.00	0.00	QC21		DAS 21

Part Op 110 - 1-Machine per folio FB154 Blank 13.375

Descriptions: 140 - Issue P/O to ATG (P.O. 1098) Black Anodize as per Dwg 646.3300

180 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M7075T6S7.000X2.000	7075-T6S Sheet 7" Thick Plate X 2" Wide (Order In Billets - 13.375")	17.8400 ft (1.115 ea)	90-Start up Operation	

5090188

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M7075T6S7.000X2.000	18	7	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	LH Half	7.296inches $\pm$ 0.005	7.301 7.291		
2	LH Half	3.767inches $\pm$ 0.005	3.772 3.762		
3	LH Half	0.457inches $\pm$ 0.005	0.462 0.452		
4	LH Half	0.313inches $\pm$ 0.005	0.318 0.308		
5	LH Half	0.710inches $\pm$ 0.005	0.715		

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

			0.705	
6	LH Half	6.469inches $\pm$ 0.005	6.474	
			6.464	
7	LH Half	10.116inches $\pm$ 0.005	10.121	
			10.111	
8	LH Half	10.309inches $\pm$ 0.005	10.314	
			10.304	
9	LH Half	0.177inches $\begin{matrix} + 0.005 \\ - 0.001 \end{matrix}$	0.182	Diameter
			0.176	
10	LH Half	0.209inches $\begin{matrix} + 0.005 \\ - 0.001 \end{matrix}$	0.214	Diameter
			0.208	
11	LH Half	0.250inches $\pm$ 0.005	0.255	
			0.245	
12	LH Half	1.250inches $\pm$ 0.005	1.255	
			1.245	
13	LH Half	0.125inches $\pm$ 0.005	0.130	Radius
			0.120	
14	LH Half	3.513inches $\pm$ 0.005	3.518	
			3.508	
15	LH Half	8.375inches $\pm$ 0.005	8.380	
			8.370	
16	LH Half	0.250inches $\pm$ 0.005	0.255	
			0.245	
17	LH Half	8.100Degrees $\pm$ 0.500	8.600	Angle
			7.600	
18	LH Half	11.689inches $\pm$ 0.005	11.694	
			11.684	
19	LH Half	11.250inches $\pm$ 0.005	11.255	
			11.245	
20	LH Half	0.200inches $\pm$ 0.005	0.205	
			0.195	
21	LH Half	45.000Degrees $\pm$ 0.000	45.000	Angle
			45.000	

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DART
AEROSPACE

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Howkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S108199



Part: 646.3310

Job No: 179154

Serial No/Batch: S108199

Revision:

Inspector:

Exp Date:

Instructions:

Date: 09/05/18

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER :					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040983**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO040983
PO Date: 9/11/18
Due Date: 10/5/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Tsimiklis, Chrisoula
Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	178084	D4842-4	Lower Cutter Body, RH Issue P/O to ATG :	Firmed	-	10/5/18 6X SEP 27 2018	6 pcs	0 pcs	6 pcs	\$11.10/pcs	\$66.60
2	178085	D4842-3	Lower Cutter Body, LH Issue P/O to ATG : 1- Black Anodize as per Dwg D4842	Firmed	-	10/5/18 6X SEP 27 2018	6 pcs	0 pcs	6 pcs	\$11.10/pcs	\$66.60
3	182247	647.7912	Clip ISSUE P/O: _____ Hard Anodize, Color Black and Prime As Per Dwg. 647.7900	Firmed	-	10/5/18 56 X SEP 27 2018	56 pcs	0 pcs	56 pcs	\$10.45/pcs	\$585.20
4	181356	647.1613	Doubler Issue P/O to ATG : 1- Black Anodize as per Dwg, SEE NOTE #3 2- PRIME AS PER DWG, SEE NOTE #3 Certification of Conformity is required	Firmed	-	10/5/18 40 X SEP 27 2018	40 pcs	0 pcs	40 pcs	\$8.75/pcs	\$350.00
5	181374	647.7918	Bracket ISSUE P/O: _____ HARD ANODIZE, COLOR BLACK AS PER DWG. (SEE NOTE 2)	Firmed	-	10/5/18 30 X SEP 27 2018	30 pcs	0 pcs	30 pcs	\$11.75/pcs	\$352.50
6	179154	646.3310	LH Half - Upper Cutter Assembly Issue P/O to ATG : 1- Black Anodize as per Dwg 646.3300	Firmed	-	10/5/18 16X OCT 05 2018	16 pcs	0 pcs	16 pcs	\$18.95/pcs	\$303.20

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17/2018

PURCHASE ORDER



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
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Canada

Tel (613) 632-5200 —

PURCHASE ORDER

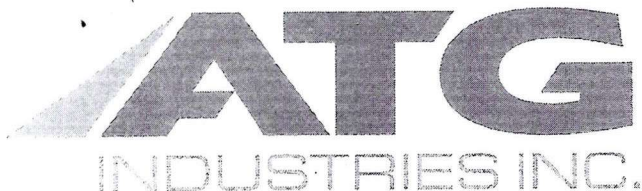
PO040983

Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7	179155	646.3311	RH Half - Upper Cutter Assembly Issue P/O to ATG :	Firmed	-	10/5/18	16 pcs	0 pcs	16 pcs	\$18.95/pcs	\$303.20
					16 X	04 05 2018					
8	178573	RBT400213-1	Tab Bender Body -Issue P/O to ATG : PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required	Firmed	-	10/5/18	12 pcs	0 pcs	12 pcs	\$13.35/pcs	\$160.20
					12 X	SEP 20 2018					
Grand Total:											\$2,187.50

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/17/18 10:13 AM dart.tsimiklis.chrisoula



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 916172

Date: 04-Oct-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chris Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
✓ 16 ea	Part: 646.3310 ✓ LH Upper Cutter Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 23737	Rev: A PO: PO040983 ✓	Line: 6
✓ 16 ea	Part: 646.3311 ✓ RH Half Upper Cutter Assembly Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4 mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 23738	Rev: A PO: PO040983 ✓	Line: 7
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>4/10/18</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			

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